



BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM, HYDERABAD-32
FACTORY CIVIL ENGINEERING DEPARTMENT

SCHEDULE- A

PRICE BID

Tender Notice No:

HY/FCD/OT-01/19-20, Dt: 04.04.2019

Item no.: 1

Name of work: CIVIL WORKS FOR NEW TEST FACILITIES OF COMPRESSOR

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
1	Removal of MS scrap including MS packing strips etc. and garbage collected in the dust bins inside Factory area and open areas as directed by the Engineer In Charge.	99.75	MT	429.13	42805.71
2	Dismantling reinforced cement concrete / plain cement concrete and disposing of debris upto to a lead of 2 KM including loading, unloading and spreading as directed by Engineer-in-charge etc., complete.	15.19	Cu.m	1054.10	16011.77
3	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50m outside the periphery of the area cleared	840.00	Sq.M	4.82	4048.8
4	Felling trees of the girth (measured at a height of 1m above ground level) including cutting of trunks and branches removing the roots and stacking of serviceable material and disposal of unserviceable material. Beyond 30cm girth upto and including 60cm girth	3.00	Each	148.20	444.6
5	Felling trees of the girth (measured at a height of 1m above ground level) including cutting of trunks and branches removing the roots and stacking of serviceable materials and disposal of unserviceable materials - upto 1.2 M	3.00	Each	654.95	1964.85
6	Felling trees of the girth (measured at a height of 1m above ground level) including cutting of trunks and branches removing the roots and stacking of serviceable materials and disposal of unserviceable materials - Beyond 120 cm girth and upto and including 240 cm girth	1.00	Each	3026.30	3026.3
7	Cutting of tree branches of girth 30 cm to 60 cm including removing the cut branches and stacking the serviceable wood, including transportation from site to garbage yard / wood storage yard within 2 KMs inside the plant. Only Mother branch shall be taken for measurement.	10.50	Each	148.20	1556.1
8	Earth work in excavation by mechanical means (Hydraulic Excavators) / manual means in foundations trenches or drains (not exceeding 1.5m in width or 10 Sq.m on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m.	109.78	Cu.m	130.80	14359.22
9	Earth work in excavation by mechanical means (Hydraulic Excavators) / manual means over areas (exceeding 30 cm in depth , 1.5 m in width as well as 10 Sq.m on plan) including disposal of excavated earth , lead upto 50 m and lift upto 1.5 m, disposing earth to be levelled and neatly dressed for Hard Rock (Blasting prohibited)	11.11	Cu.M	490.10	5445.01
10	Filling available excavated earth (excluding rock) in trenches , plinth , sides of foundations etc. in layers not exceeding 20 cm in depth , consolidation each deposited layer by ramming and watering , lead upto 50 m lift upto 1.5 m .	36.47	Cu.M	83.80	3056.18
11	Conveyance of excavated spoil up to a lead of 2 Kms, including loading , unloading and spreading etc. complete as directed by Engineer- in- charge.	71.74	Cu.M	93.94	6739.25
12	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering including consolidation by vibrations for all works up to plinth level with 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size). **	16.14	Cu.M	2347.46	37888
13	Reinforced cement concrete work in walls (any thickness) including consolidation by vibrations for all works attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, machine foundations, Posts and struts etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement : with 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size). **	101.93	Cu.M	3138.15	319871.62

14	Reinforcement for R.C.C. work including straightening , cutting, bending, placing in position and binding all complete by cold twisted bars (BHEL will issue Tor Steel at their stores on free of cost).	7.39	M.T	7369.00	54456.91
15	Brick work with FPS bricks of Ground moulded in superstructure above plinth level up to floor V level in all shapes and sizes in cement mortar 1:6.**	23.31	Cu.M	3205.74	74725.79
16	Plastering in CM 1:6 , 20 mm thick to internal and external surfaces of walls including the cost of all materials , labour , curing etc., complete - Upto 10.00 m height **	337.68	Sq.m	120.44	40670.17
17	Plastering to the ceiling in CM 1:3, 6mm (1 cement : fine sand).**	81.24	Sq.m	78.49	6376.52
18	Plastering over roof slab in CM 1:4, 20mm thick mixed with water proofing compound, Make: "Sika" @ 3% by weight of cement as per manufacturer's specification, curing as directed. Rate quoted shall include finishing, cost of all materials and labour etc., complete. *(Cement =7.69 kgs/sq.m x3% WP@ Rs 20.00 per kg=Rs 4.61) upto 10 m height.	81.24	Sq.m	121.83	9897.46
19	Applying exterior emulsion paint 2 coats over one coat of primer to external new plastered surfaces including cost of all labour and other incidentals. (only exterior paint will be issued by BHEL on free of cost and primer will be supplied by contractor)).	160.80	Sq.m	37.10	5965.68
20	Applying two coats of oil bound distemper of given shade over a coat of primer including through cleaning of the surfaces, cost of all labour and other incidentals (Only OBD, will be supplied by BHEL).	160.80	Sq.m	55.97	8999.97
21	Centering and shuttering including strutting, propping etc.; and removal of form for walls(any thickness) including attached pillars, buttresses, plinth and string courses etc.,.	496.15	Sq.M	155.20	77002.48
22	Fabrication of structural steel work including all materials going into the process of fabrication and forming an integral part of steel work together with all shop and site rivets and electrodes for site welding as necessary and all site connections comprising sag rods, floor beams, girders, bracings, trusses and frame work for fixed false ceiling and for movable false ceiling, purlins with channel / angles, MS flat supports including all connections as per detailed drawings connected steel works etc., cleats, gusset plates, all bolts, nuts, washers, base plates, anchor bolts as per detailed drawings, cutting, welding and painting 2 coats of red-oxide primer before erection etc., complete. The rate shall include painting 2 coat of Red-oxide as per IS specifications and all charges for handling, leading and loading at the fabrication yard. The raw structural steel sections, electrodes, gasses only will be issued by BHEL on FREE of cost at their stores	4.92	MT	9086.00	44703.12
23	Erection of Steel work out lined in item No.1 above including the charges for handling, leading and stacking at site at approved locations prior to erection including all site rivetting, bolting, jointing and site welding where ever required.(upto 15.00m)	4.92	MT	3894.00	19158.48
24	Painting at site of all structural steel work with 2 coats of aluminium paint / synthetic enamel paint of approved shade to trusses, columns, girders, bracings etc., with aluminium paint or synthetic enamel paint as required etc., complete. The required paint only will be issued free of cost by BHEL at their stores	4.92	MT	696.07	3424.66
25	Fabrication and fixing inserts in concrete wall with lugs of required dia welded to the insert plates.(St. Steel, electrodes and gas required for work will be issued on free of cost by BHEL at their stores) Scrap material can be used.	0.27	MT	3500.00	945

26	Providing and laying non- pressure NP2 class (light duty) RCC pipes with collars joints with stiff mixture of cement mortar in the proportion of 1:2 (1 cement 2 fine sand) including testing of joints etc. complete 450mm dia	0.00	RM	535.50	0
27	Supply and fixing of top fixed, side hung of NCL Seccolor windows & Ventilators of make shakthi/Ajantha/Finesta , fabricated from Roll formed section made of pre painted steel (Base steel as per IS 513 of 0.6 mm thick, 'D' quality, galvanized as per IS 277 with zinc 120 GSM / Sq. Mtr). Section for shutter should be of 46 x 46 mm, external frame should be of 46 x 52 mm, section for glass beading should be of 18 x 25 mm & center mullion should be 46 x 70 mm. The sections to be cut to length, meter joined with corner bracket. Centre mullions are to be fixed using mullion cap. Handle made of high grade aluminium powder coated & with nylon receiver & glazed with 5 mm thick, Modi/Saint Gobain float glass. Gasket made of E.P.D.M. Corner brackets made of C.R.C.A with zinc phosphating. Million caps made of glass filled nylon. The above frames should be fixed to the concrete / masonry walls by means of self expanding screws. Approximate size of windows 1.30mx0.9m and 3.00mx2.10m -Double shutter without guard bars(grills)... Excise duty/VAT inclusive .Service tax extra as applicable.	7.20	Sq.m	2641.33	19017.57
28	Supplying and fixing aluminum door shutters made out of new anodised aluminum box section of size 44.50x 47.50x 2.00mm for verticals, top and middle rails and 101.60x44.50x2.00mm for bottom rail inclusive of supply and fixing of all aluminum fixtures and fittings such as handles 2 nos, 1 No of tower bolt 12mm dia 200mm long, 1 No of hydraulic door closure of IS specification , 3 nos. of 4" long(100mm) but hinges, stopper 1 No and suitable locking arrangement etc. complete all as directed by Engineer in charge etc. complete.	12.00	One Sq.M	2630.99	31571.88
29	Supply and fixing of GI Chain Link Mesh 50mm aperture: Supply and fixing of Hot dipped Galvanised Iron Chain ling mesh 8 gauge-(4.0mm) as per IS:2721-1979-PVC coated-2"x2"(50mmx50mm)-8 Gauge. The rate includes all the tools, machinery and labour charges etc required for fixing as directed by Engineer-In-Charge.	60.00	Sq.m	575.00	34500
				Total :	8,88,633.10

Note:

1	Risk Purchase : In case the contractor fails to execute the work within the scheduled time or due to any other reasons, BHEL reserves the right to get the same completed through some other party at the risk & cost of the contractor and any additional expenditure incurred due to the same shall be charged to the contractor.
2	The rates are excluding GST.
3	Penalty terms: a) In the event of delay in supply of goods and or services beyond contractual delivery date, penalty of 0.5% per week or part there of shall be levied on the gross value of work done subject to a maximum of 10% of the gross value of the total work executed. Penalty amount so determined along with GST if applicable thereon shall be recovered. b) If the contractor fails to deposit the required security deposit or commence the work within the period as per LOI/Contract. The EMD will be forfeited. c) If the agency fails to commence the work as requested by the department penalty of 0.5% on the gross value of work for weeks delay will be applicable. Penalty amount so determined along with GST if applicable thereon shall be recovered.
4	Taxes: Bidders shall quote their Basic price exclusive of taxes. The applicable taxes on supply of material or services, as the case may be viz.GST shall be quoted separately, clearly showing the Service Code/Tariff Head, Rate of Tax and Amount of Tax in the Bid. The reimbursement of taxes to the contractor is contingent upon fulfilment by the contractor of all statutory provisions as stipulated in the relevant taxation statute enabling BHEL to avail the eligible input tax credits. TDS at the rates prescribed under Income Tax Act shall be deducted from the payments due to Contractor and BHEL shall issue the necessary TDS Certificates for such deductions made.
5	The tender % age quoted by the contractor shall be inclusive of all taxes and duties other than GST as applicable from time to time.
6	All the bills of the contractors will be cleared subject to the production of clearance certificate by the contractors in respect of compliance of all statutory requirement, issued by IR section of HR department BHEL.
7	The agency shall submit the I.R. clearance certificate for the above work and arrange to get the final bill sent to Finance within one month from the actual date of completion of work.
8	The maintenance period is 12 months . The security deposit will be released after satisfactory completion of the work and after getting I.R clearance and payment of final bill.

9	The agency has to pay the minimum wages to workers with statutory payments like ESI, PF etc., is as per BHEL notification and as per NIT. For USW= ₹ 486.00, SSW= ₹ 523.35, SW = ₹ 559.16 + ESI + PF + PPE's and other statutory if any increase in future DA is to be borne by the agency.
10	The agency has to bring police clearance certificate for the work force.
11	All the terms and conditions of the contract with respect to taxes & duties are subject to the new taxation laws introduced from time to time (e.g. GST). The terms and conditions will be modified in accordance with the provisions of new laws (e.g. GST).
12	Payment shall be made stage wise on approval from engineer in charge
13	Vendor shall raise GST invoice on BHEL Hyd GSTIN.
14	If BHEL is unable to avail the input tax credit, the same amount shall be recovered from the vendor bills.
	<u>GST CLAUSES</u>
	Following points to be complied with :
15	In case GST credit is delayed/denied to BHEL due to non/delayed receipt of goods and/or tax invoice or expiry of timeline prescribed in GST law for availing such ITC, or any other reasons not attributable to BHEL, GST amount shall be recoverable from vendor along with interest levied/leviable on BHEL.
16	In case vendor delays declaring such invoice in his return and GST credit availed by BHEL is denied or reversed subsequently as per GST law, GST amount paid by BHEL towards such ITC reversal as per GST law shall be recoverable from vendor/contractor along with interest levied / leviable on BHEL.
17	The bidder shall arrange to send to BHEL, Hyderabad along with all the required documents as in Purchase Order, Tax Invoice (Original for Recipient) along with his bills.
18	Vendor to ensure correct applicability of IGST/CGST/SGST/UTGST based on the Inter /Intra state movement Supply of goods and services or both.
19	Taxes and duties prevalent on the contractual delivery date or the actual delivery date (in case of delay) whichever is lower shall be applicable paid. Composition Scheme to be addressed.
20	Vendor shall note that the Invoice has to be raised quoting HSN Code of Goods or Accounting Code of Services or both wherever applicable.
21	Invoice should mention BHEL-HPEP-HYDERABAD GSTIN: 36AAACB4146P1ZG or GSTIN of BHEL Nodal Agency as mentioned in PO.
22	In case of any short supply of goods or service Vendor has to raise a credit note for short supplied quantity as per GST provisions.
23	Any GST liability arising on BHEL under reverse charge before actual receipt of goods and or services and/or invoice thereof would be subject to recovery of interest leviable for the period between the date of such liability and actual date of eligibility of ITC based on receipt of goods, receipt of invoices and other conditions specified in GST law, as applicable.
24	Penalty clause:- In the event of delay in supply of goods and or services beyond contractual delivery date, penalty of 0.5% per week or part there of shall be levied on the gross value of work done subject to a maximum of 10% of the gross value of the total work executed. Penalty amount so determined along with GST if applicable thereon shall be recovered.
25	Supplier shall mention their GST registration number in all their invoices and invoices shall be in the format as specified/prescribed under GST laws. Invoices shall necessarily contain Invoice number (in case of multiple numbering system is being followed for billing like SAP invoice no, commercial invoice no etc., then the Invoice No which is linked/uploaded in GSTN network shall be clearly indicated), item description as per PO, Quantity, Rate, Value, applicable taxes with nomenclature (like IGST, SGST, CGST & UTGST) separately, HSN/ SAC Code, etc.
26	A declaration to the effect that all tax liability as per GST rules and regulations shall be discharged.

Tender %	In figure	In words
Excess		
Less		
Estimated value		